

FIG. 1

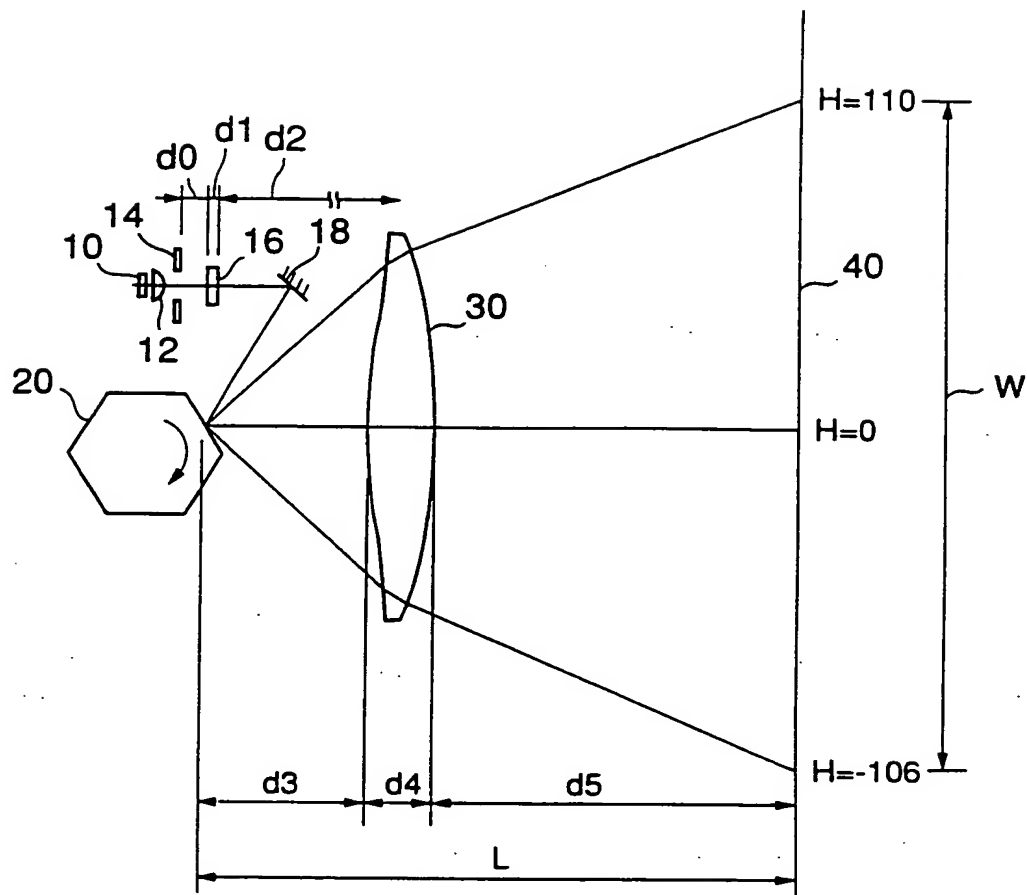


FIG. 2A

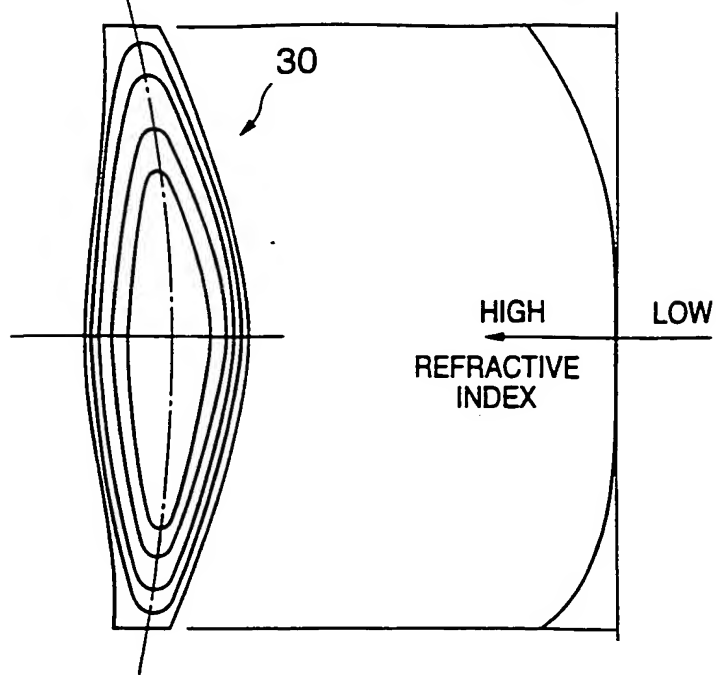


FIG. 2B

FIG. 2C

FIG. 2E

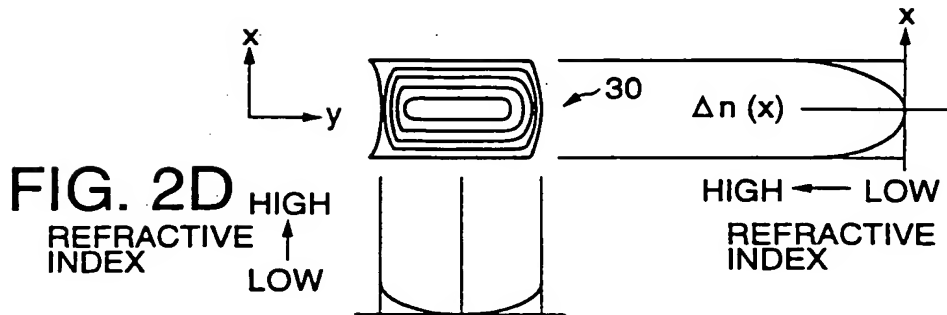


FIG. 2D

FIG. 3

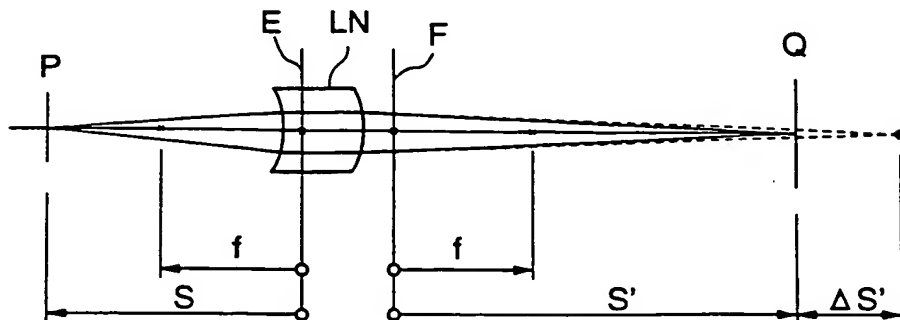


FIG. 4

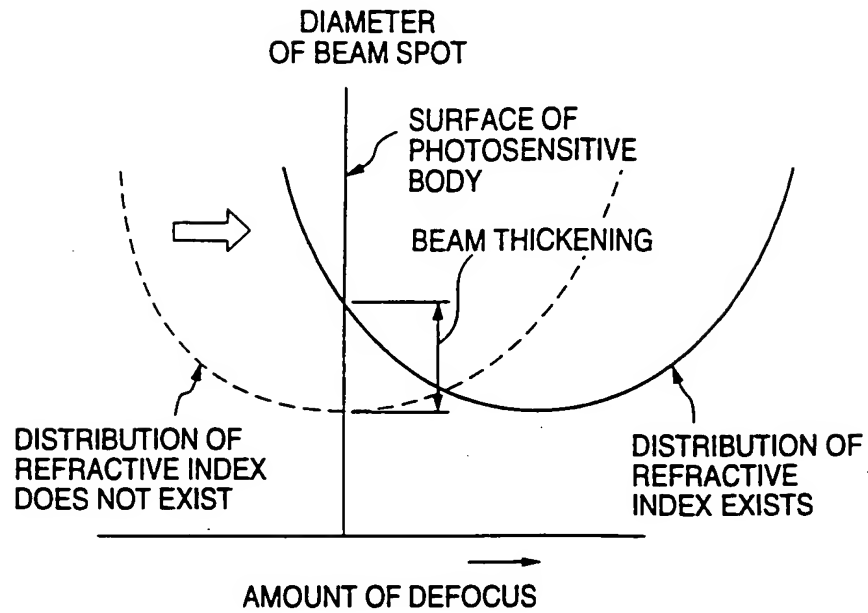


FIG. 5

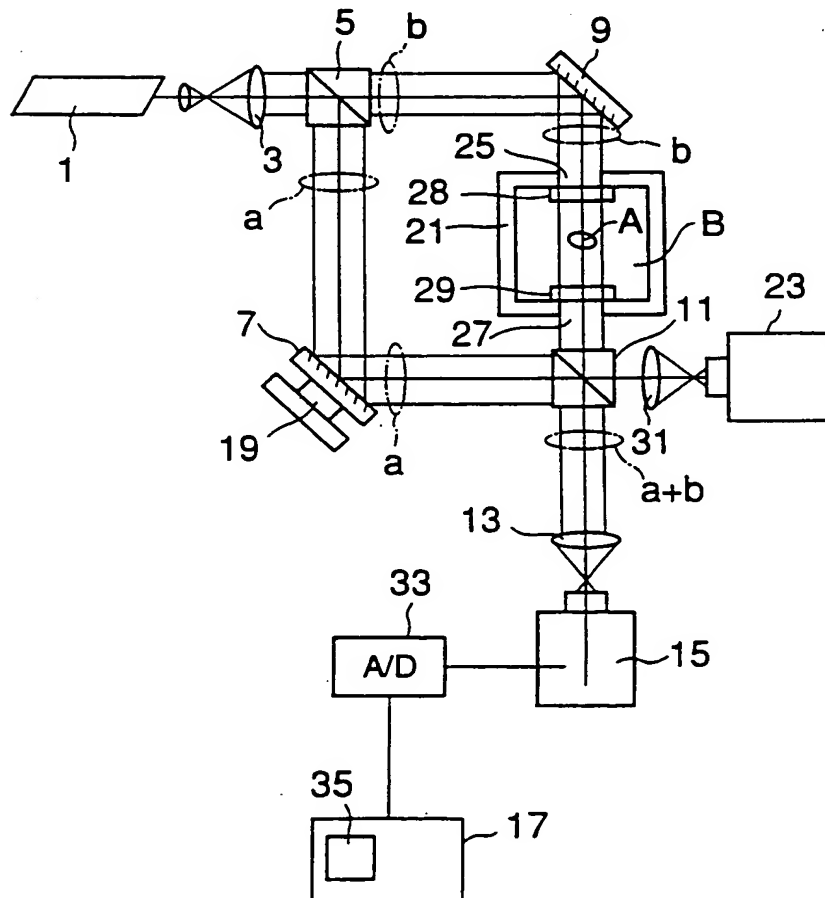


FIG. 6

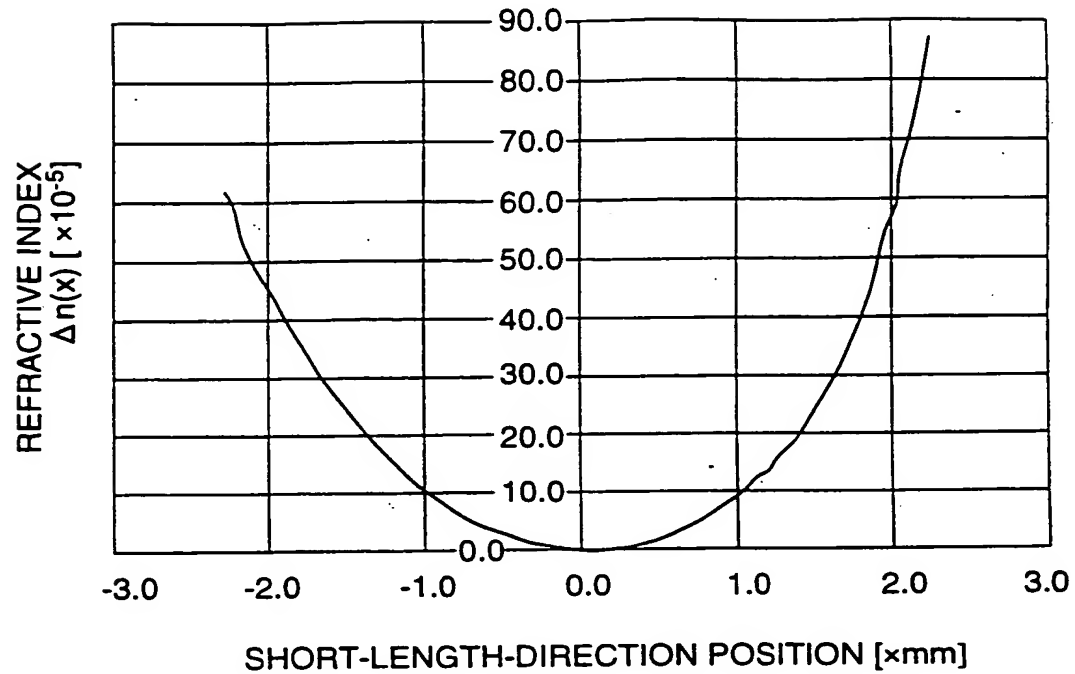


FIG. 7

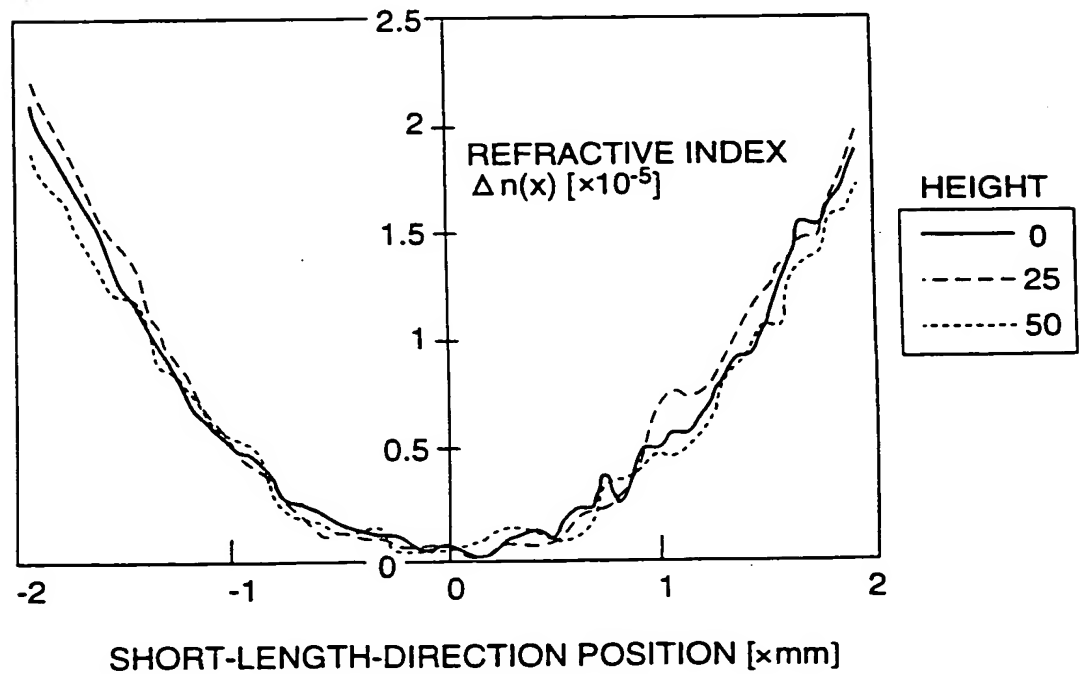


FIG. 8

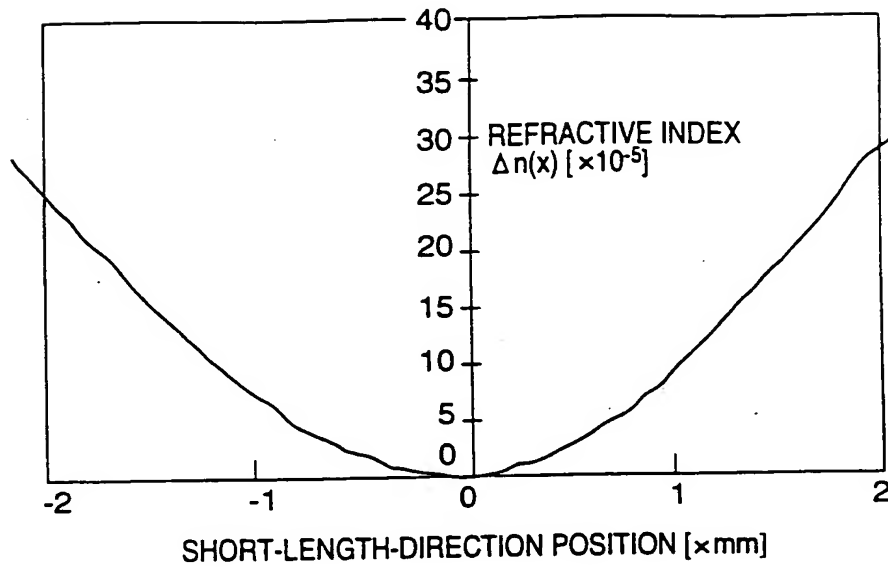


FIG. 9

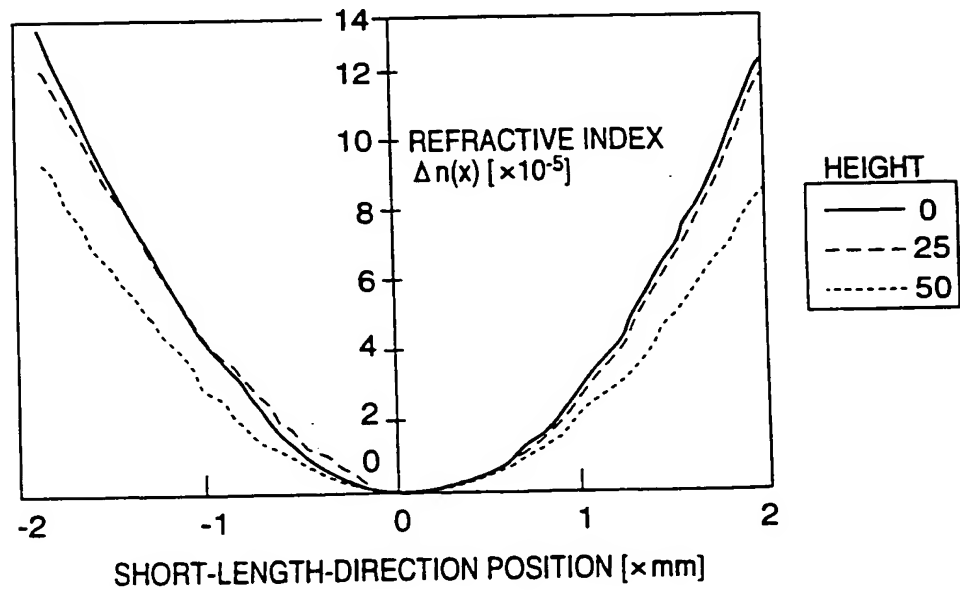


FIG. 10

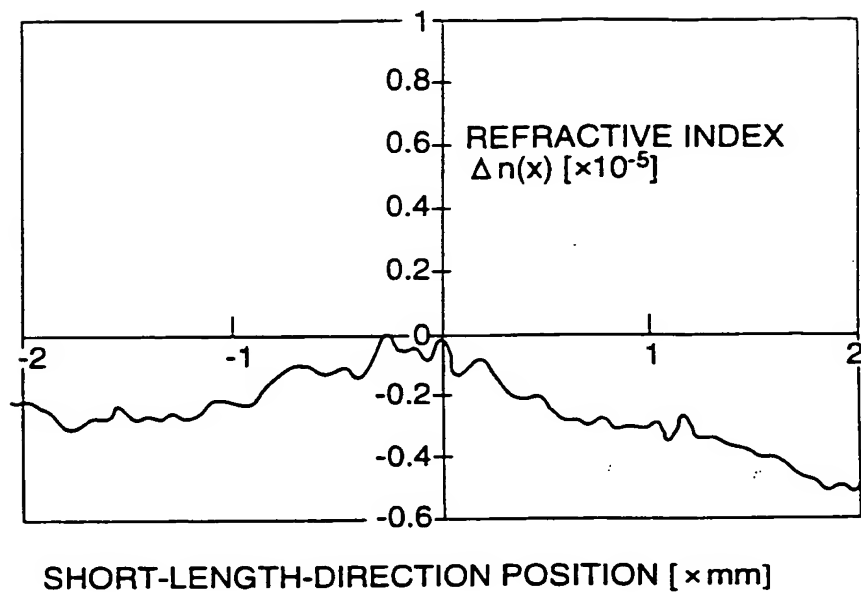


FIG. 11

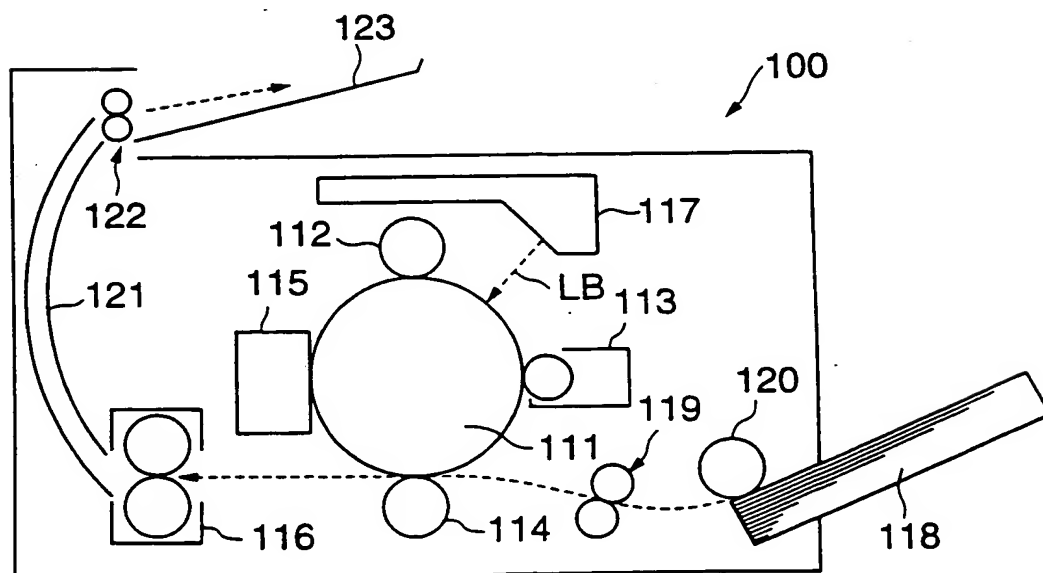


FIG. 12

CHARACTERISTICS	RESIN	PMMA	ALICYCLIC ACRYLIC RESIN	PC	ORDINARY POLYOLEFIN	ALICYCLIC POLYOLEFIN
REFRACTIVE INDEX		1.49	1.50	1.58	1.47	1.51-1.54
ABBE'S NUMBER		58	56-57	31	61	54-57
TRANSMITTANCE (%)		94	93-94	92	90	91-92
PHOTOELASTICITY CONSTANT ($\times 10^{-13}$ cm ² /dyne)		-6	-0.8--0.3	90	—	4-8
SATURATION MOISTURE ABSORPTION (%)		2.0	1.0	0.4	0.1	0.1-0.5
REFRACTIVE-INDEX DISTRIBUTION		O	O	O	—	X
MOLD SHRINKAGE COEFFICIENT (%)		0.3-0.5	0.3-0.5	0.4-0.6	1.5-3	0.7-0.9